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NASA Procedural Requirements

COMPLIANCE IS MANDATORY

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Subject: Managing Information Technology

Responsible Office: Office of the Chief Information Officer

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Chapter 4. Enterprise Architecture and IT Planning

4.1 Enterprise Architecture and IT Planning Requirement

NASA shall develop, maintain, and implement the NASA Enterprise Architecture (EA), Information Resources Management (IRM) Strategic Plan, and other plans, standards, models, documents, and guidance that define the NASA IT environment.

4.2 Background

4.2.1 NASA's EA establishes the road map to achieve the Agency's mission through the optimal performance of business, service, and technical processes. It is the explicit description and documentation of the current and desired relationships among business and management processes and information technology.

4.2.2 The IRM Strategic Plan ensures that the Agency's IRM strategy is in alignment with NASA's vision, mission, and strategic goals. It is a companion document to the NASA EA and is a mechanism for documenting and communicating the NASA CIO's execution strategy.

4.2.3 Other IT plans, standards, models, documents, and guidance provide requirements and tactical direction to the Agency in meeting the goals of the NASA EA and the IRM Strategic Plan.

4.3 Enterprise Architecture and IT Planning Roles and Responsibilities

4.3.1 The NASA CIO shall ensure the development, maintenance, and communication of a NASA EA and NASA IRM Strategic Plan that supports the Agency's missions and objectives.

4.3.2 The NASA CIO shall ensure that Agency-wide IT initiatives are consistent with the NASA EA and the NASA IRM Strategic Plan.

4.3.3 The NASA Chief Enterprise Architect shall develop, maintain, and communicate the NASA EA.

4.3.4 The Mission Directorate AA shall ensure the development, maintenance, and communication of segment architectures that are consistent with the NASA EA.

4.3.5 Center CIOs shall ensure that Center-level Enterprise Architectures and segment architectures are consistent with the NASA EA.

4.3.6 Center CIOs shall ensure that Center-level IT initiatives and Center-level implementations of Agency-wide IT initiatives are consistent with the NASA EA, Mission Directorate Segment Architectures, and Center Enterprise Architectures.

4.3.7 NASA IT plans, standards, models, documents, and guidance shall be consistent with the NASA Enterprise Architecture and IRM Strategic Plan.

4.3.8 NASA programs, projects, and activities shall adhere to the requirements of NASA IT Technical Standards that are designated as mandatory by the NASA CIO for non-Highly Specialized IT unless waived.

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